

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Chuck Holloway Wt. _____
 Observer Title/Affil. Co-Pilot

Dive # PV-466
 Date Oct. 10, 2001

Observer Alex Malahoff Wt. _____
 Observer Title/Affil. HURL/MARBEC

Time of Dive 0816
 Time of Surface 1630
 Time Submerged 8:14
 Time Thru Last Dive 2964:08
 Total Time to Dive 2972:22
 Dive Depth 1329m
 Water Depth 1329m
 Water Temp. 3.5°C @ 1329m
 Visibility _____
 ABT # at Neutral _____
 Captain Bob Hayes

Dive Location Loihi - Pele's Pit
 Lat. _____ Long. _____
 Purpose: Research Training Demo

Other: _____
 Special Equipment:
 Camera (type) Sony/Panasonic/ROS
 Manipulator Titech/Hyco
 Other _____
 Support Vessel R/V Kaimikai-O-Kanaloa

Dive Results/Remarks: Dive to sample hydrothermal vent water and bacteria matt and explore pit for more vent sites.
0918 Land on a steep talus slope at 1110m. Move upslope to 1104m and contour to marker #18. 0935 Deploy 2 staudigal charges at marker #18. #3 & #5. 0940 Begin descent into the pit. 1001 1328m on the bottom of the pit. Moving to the NE. 1014 1311m locate marker #20. Move to Marker #42. Move up to #22 @ 1288m. Deploy staudigal charges #1 & #7. Recover osmo sampler. Vent temp. 40°C. Rosette samples #7 & #8. Move upslope to #7. 40°C & 42°C vent temp. Rosette & MARBEC samples. Move upslope. Locate chimneys. Weak venting. 1331 Moved to Jet Vent Rock @ 1296m locate venting at upper Jet Vent site. 73°C. Rosette Samples. Back up to #7. Samples. Niskhim bottle. Move to 49er wall. Move upslope to Lohiau vents. Moving up a vertical wall from 1255m. 1432 Locate venting on the wall at 1196m. 29°C. 1502 1177m @ Lohiau Vents. No venting. Move to East. Locate Equipment Deficiencies: pinnacle feature known as "Big Pete." Top of pinnacle and top of pillar are gone. 1511 Leave the bottom from 1076m. Make a normal recovery

Pilot Terry Kerby
 Ops. Mgr. [Signature]

Date 10/13/01
 Date 10/13/01